

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/513,151

DATE: 03/15/2000
TIME: 23:15:58

INPUT SET: S35045.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

- 1
- 2
- 3 (1) General Information:
- 4
- 5 (i) APPLICANT: MCGILL UNIVERSITY
- 6
- 7 (ii) TITLE OF INVENTION: THE C. ELEGANS gro-1 GENE
- 8
- 9 (iii) NUMBER OF SEQUENCES: 62
- 10
- 11 (iv) CORRESPONDENCE ADDRESS:
- 12 (A) ADDRESSEE: SWABEY OGILVY RENAULT
- 13 (B) STREET: 1981 McGill College Avenue - Suite 1600
- 14 (C) CITY: Montreal
- 15 (D) STATE: QC
- 16 (E) COUNTRY: Canada
- 17 (F) ZIP: H3A 2Y3
- 18
- 19 (v) COMPUTER READABLE FORM:
- 20 (A) MEDIUM TYPE: Diskette
- 21 (B) COMPUTER: IBM Compatible
- 22 (C) OPERATING SYSTEM: Windows
- 23 (D) SOFTWARE: FastSEQ for Windows Version 2.0b
- 24
- 25 (vi) CURRENT APPLICATION DATA:
- 26 (A) APPLICATION NUMBER:
- 27 (B) FILING DATE:
- 28 (C) CLASSIFICATION:
- 29
- 30 (vii) PRIOR APPLICATION DATA:
- 31 (A) APPLICATION NUMBER: PCT/CA98/00803
- 32 (B) FILING DATE: 20-AUG-1998
- 33
- 34 (vii) PRIOR APPLICATION DATA:
- 35 (A) APPLICATION NUMBER: CA 2,210,251
- 36 (B) FILING DATE: 25-AUG-1997
- 37
- 38 (viii) ATTORNEY/AGENT INFORMATION:
- 39 (A) NAME: C_{it}, France
- 40 (B) REGISTRATION NUMBER: 4166
- 41 (C) REFERENCE/DOCKET NUMBER: 1770-179"US" FC/gc
- 42
- 43 (ix) TELECOMMUNICATION INFORMATION:
- 44 (A) TELEPHONE: 514 845-7126
- 45 (B) TELEFAX: 514 288-8389
- 46 (C) TELEX:

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(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 14458 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Genomic DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

GCAAAATTTG	CTAAGATGAA	GCGCCGGCTT	GTTACATTGC	TTTTTCAGAGT	CGATTGGTTC	60
AAAATTGTCA	ATTTTATCCA	AAATAGAGTG	CATTGTGTGT	ACAATAACTA	AAGAATCATC	120
CATATCTGGT	CCAACACAAC	ATTGATGGAA	TACTGGATCA	ATTGTCTAAA	AAAATATCAA	180
TAGAATAATG	AAACATTTTC	AGAATTCATT	ACCGTCAATG	TCAGATAGTC	ATTCCTTGAG	240
TATTTTGTGG	ATGCTTTGAA	AATTCTTCGC	TGGGCCATAT	CTGTTGGATA	ATCTGAAAAA	300
CGCAATAAAT	TTCATCGAAA	ATGCCTATTA	AATTGAATTA	CCTTCTTCTT	CATCATTTC	360
TAACAATTCA	TGCTCTTTTT	GTGCTTGACT	TGTGACCAAT	TCTTTAAATT	CAATTAAATC	420
GTCAATATCC	TTTTGTACTA	AATCCATCTT	GATATTCAAT	ATATCTTTGT	CAGTATAGTA	480
TTCAGCGTAT	CTGAAATTTT	GAATTTATTT	TTCTAATTCC	CAAGAAAAAT	AATTAATAAG	540
AATACCTTAA	CGAATTATTA	TCCAATATAT	CATCATTGTC	CACATCTGGA	AGACGCTGAG	600
GAAGTGTGTT	AGCAGCTTGG	AGGTAGTCGT	CATCGTCTCT	GGAAATTGTT	ATTTTCAATT	660
TCAAAAAAAA	AACCTTTACTT	ACGAAATATA	CTCATTGTGAT	GCAATCCACG	GATCAAAACG	720
ACGTCTTTGC	ATCTTTGAAT	CATTTTCCGC	ATGGCACCGC	ATCACTTCTT	TCTTATGATT	780
ATTTTCTAAC	GTTTTTGAAA	ATTTCGACGT	CTCTTCACAA	CGGCCGCCAT	GTTTCGCAAG	840
TTCTTCTTTT	GATCGTATCT	AAAATTTTAA	ATTTGAAAAA	AAGCTTACTA	TCAAATTTTC	900
GTATTTTTC	TCACCTGCTT	ACACCGAACA	AGCGTTCGAT	ACGAAGCATA	ATTACATTGT	960
CCATACTTAT	TTTTGTGCGTA	TTCATTGGCA	ACAAGACGGA	ATCGTGTTCC	AGGTGCAACT	1020
ATATATTGAG	CAGGAGGACG	AGTTGTTTGT	TTCATGCTGC	TTAAAAATAA	AAATGGAAAA	1080
TTGAGTCAAA	AAGTTGAGAT	AAAACAAATT	AAAACAATTT	TCTGAAAAAT	AAACAACCTGA	1140
AATTTGAAGT	AATAAACAAC	ACGCGAAAAAC	GTTATTTTCGG	AGCATCGTTT	GAGAAGTAAA	1200
ACTTTTTTTC	GGCGCACCCCT	TGTGCGCAGT	TTTTATCTTC	TCTTTTAATT	TAATTTTCAA	1260
GCTAAATCTT	TCTTTTAAAT	CTTTTAAATA	ATTTTAAAT	ATTCAGAATG	CACCAATAAA	1320
CCTGGAACAA	AATCGATAAT	GTTCCGCAAG	CTTGGTTCTT	CTGGGTCACT	ATGGAAGCCG	1380
AAAAATCCGC	ATCTTTTGGA	ATACCTCAAA	TATTTACAAG	GAGTGCTCAC	AAAAATGAG	1440
AAAGTTACGG	AAAACAATAA	GAAAATATTA	GTAGAAGCAT	TACGAGCTAT	CGCAGAAATT	1500
CTCATTTGGG	GCGATCAGAA	TGATGCTTCG	GTTTTTGAGT	GAGTTTTTTT	CCAATGTTTT	1560
TTTTCAAATC	TGATGTTGAA	TTTCAGTTTC	TTCTTTGAGC	GGCAAATGCT	TCTTTATTTT	1620
TTGAAAATTA	TGGAACAAGG	AAACACACCA	CTAAATGTAC	AATTACTGCA	GACTTTGAAC	1680
ATTTTATTCG	AAAATATTCG	ACATGAAACT	TCACTTTGTA	AGTTTTTTAT	ATGGATTTTC	1740
GCTTAAATTT	GCCAGTTTTC	AGATTTCTTT	CTAAGTAACA	ATCATGTAAA	CTCGATTATT	1800
TCCCACAAAT	TCGATTTACA	AAATGATGAG	ATCATGGCTT	ACTACATTAG	TTTTCTGAAA	1860
ACTCTTTCAT	TTAACACTGAA	TCCAGCTACA	ATCCACTTCT	TCTTCAATGA	AACGACTGAA	1920
GAATTTCCAT	TGTTGGTAGA	AGTTTTGAAG	CTTTATAATT	GGAATGAATC	AATGGTTCGA	1980
ATTGCTGTTA	GAAATATTCT	TTTAAATATT	GTGAGAGTTC	AAGATGATTC	AATGATTATT	2040
TTCGCTATCA	AGCATACAAA	AGTTAGTAGA	AAATTATTTT	GAAAAGGTGT	ATTTAAGCAA	2100
TAAATATTAC	AGGAATATCT	ATCGGAGTTA	ATAGATTCTC	TAGTTGGTCT	CTCACTTGAA	2160
ATGGACACAT	TTGTACGATC	TGCTGAGAAT	GTGTTAGCTA	ATCGAGAGAG	ATTACGAGGA	2220
AAAGTGGATG	ATTTAATTGA	TTTGATTTCAT	TATATTGGTG	AACATTGGA	TGTGGAAGCT	2280
GTCGCCGAAA	GTTTATCAAT	TTTAGGTCAG	TTTTACTGCT	GGAAAATCAA	GTTTTTAATG	2340

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100	TTAAATTTTC	AGTAACAACA	CGATACTTAA	GCCCTCTATT	ACTTTCAAGT	ATATCACCAA	2400
101	GAAGAGATAA	TCATTCAC'TT	CTACTCACTC	CGATTTCTGC	GTTATTTTTT	TTCTCTGAAT	2460
102	TTTTATTGGT	GAGTTTTAAC	ATTTAAAATT	ACATTTTTCT	AATTTATTTA	TTTTTCAGAT	2520
103	AGTTCGTCAC	CATGAAACAA	TATATACATT	TTTATCATCT	TTCCTATTTG	ACACTCAGAA	2580
104	TACTTTGACG	ACCCATTGGA	TACGTCATAA	TGAGAAATAT	TGCTTAGAAC	CGATTACATT	2640
105	ATCATCACCA	ACCGGAGAAT	ATGTGAATGA	AGACCAGTAA	GAGCTGAAAT	TTTAAAATTT	2700
106	TTGCTTTGAA	TATAGTATTT	TCAGCGTATT	TTTCGATTTT	CTACTGGAAG	CATTTGATTC	2760
107	CAGTCAAGCA	GACGATTCGA	AGGCATTCTA	TGGATTAATG	CTGATTTATT	CAATGTTTCA	2820
108	GAATAATGGT	GAGTTTTTAA	AAATTGATTT	GTTAAATTAA	AATTTCCATT	TCCAATAACT	2880
109	CCTCTTCAGA	CAGTAAGTTT	TCAATGTTGT	AAAGTTCCTG	TTCATCTGTG	ATCGTTTTCT	2940
110	TCATTTTTTT	AGTTTTGTCAT	GAACAGTTTT	CAAATTTTTT	TGATATCATA	CAGTAAATAT	3000
111	CGTCATCCAG	ATAATTTTCT	ATTTAAAAAA	AATGAATAAA	AAGAGGGCGC	GCAGAAATTG	3060
112	CCGAAGTAAT	GTAAATTTAA	AGGGACACAT	GCGTAGCTTG	TTGTGTGGGT	CTCGCCGCGC	3120
113	TTTGTTTGAT	TTATCTTGTT	TTCTGCTCAA	AGAGCTGTTT	TTATTTTAGC	GTTGAATGCT	3180
114	TTTTTACCCT	TCTCATCGGC	TTTTTAATAG	GAATATTTAA	AAAAAAAGGT	TAAATAAATC	3240
115	TTCTGTTTTT	CAAAATCCAT	CTAAGATTTG	CATTTGTGAA	GCTCAACAAG	TAAAGTTTTT	3300
116	AGTAACATTG	TTTTTTAAAA	AACAATTGAA	CCAAATTTTG	CCGAAACATT	AATAACATGA	3360
117	CGATACTCTA	TAAAATATTC	CTCTTTTCAA	AATAAATTTT	CAAAAAAAT	CCATTTTTC	3420
118	GCCGATGTTG	GAGAACTTCT	ATCTGCTGCC	AACTTCCCAG	TGCTCAAAGA	ATCAACGACA	3480
119	ACTTCATTAG	CTCAACAGAA	TCTTGCTCGT	CTCCGAATAG	CATCTACGTC	TTCCATATCA	3540
120	AAGCGAACGA	GAGCTATCAC	TGAAATTGGA	GTAGAAGCGA	CCGAGGAAGA	TGAGATTTTT	3600
121	CATGATGTTT	CTGAAGAACA	AACGTTGGTA	AGTAAATAAA	TCAACATTGA	TTGTTACACA	3660
122	AACTTTAATA	TTTTTAAATT	TGAAAATTTT	CTTCAAAGTG	CTCAAAAATC	CTGTCGAAAA	3720
123	TTACAGGAAG	ATCTGGTGGA	TGATGTATTG	GTTGATACTG	AAAATTCAGC	AATAAGTGAT	3780
124	CCAGAAGCGA	GTAGAAAACG	TGCATGTATT	AATTATTTAA	AAAAAATAT	AGTTTTCCCC	3840
125	AGTTTTCTTT	GACCTAAAAC	TCAGCAATTT	CAGCCTAAAA	ACGTGGAGTC	AGAATCTCGT	3900
126	TCTCGATTTT	AATCTGCTGT	TGATGAGCTT	CCACCTCCGT	CGACTTCTGG	ATGTGATGGT	3960
127	CGACTTTTTG	ATGCACTTTC	ATCGATTATC	AAAGCAGTTG	GAACAGATGA	CAATCGAATT	4020
128	CGACCAATTA	CATTGGAAC	TGCATGTCTT	GTAATTCGGC	AAATTTTAAT	GACTGTTGAT	4080
129	GATGAAAAAG	TAAGATTACA	AATTCAAAAT	TGAGCAAAAT	CAGAATCTAA	ATTTCATAAA	4140
130	TTGTTTCAGG	ACATACCAGT	TTAACGAAAT	TATGCTTCGA	AGTTCGTCTA	AAACTTTTAT	4200
131	CATCAATTGG	ACAATATGTT	AATGGAGAGA	ATCTGTTTTT	GGAGTGGTTT	GAGGATGAAT	4260
132	ATGCAGAATT	TGAAGTAAGC	CAAGAGGTCC	GAAAATAATT	TAATTCATCC	TTTTTATTTCA	4320
133	GGTGAATCAC	GTGAATTTTC	ATATAATCGG	TCACGAAATG	CTTCTTCCTC	CAGCTGCAAC	4380
134	TCCTCTTTTC	AATCTGCTAC	TTCATAAGCG	ATTGCCAGT	GGATTTGAAG	AACGAATAAG	4440
135	AACTGTAGGA	AACTTTTTTAA	ATTTGAAAA	TAATTATATA	TATATTTGCA	GCAAAATCGTA	4500
136	TTCTACCTAC	ATATTGAAAA	ATTGGAACGA	GATTTGACCG	GTGAAGGAGA	CACAGAATTA	4560
137	CCTGTGAGAG	TGTTGAATTC	TGATCAGGAA	CCAGTTGCCA	TCGGTGATTG	TATTAATTTTA	4620
138	CGTGAGTTCA	TCTGCATAGA	AAACACCATA	TTTCTACTCA	AATTAACAAT	TTTCAGATAA	4680
139	TTCGGATCTT	CTATCCTGCA	CTGTGGTTCC	TCAACAATA	TGTTCTCTTG	GAAAACCTGG	4740
140	TGATCGTCTT	GCTCGATTCC	TTGTCACTGA	TAGACTTCAA	TTAATTCTTG	TCGAACCGGA	4800
141	TTCTCGAAAA	GCCGGATGGG	CAATTGTTTC	ATTCGTAGGA	CTTCTTCAAG	ATACAACAAT	4860
142	TAATGGAGAT	TCTACGGATT	CGAAAGTTT	GCATGTTGTG	GTGGAAGGGC	AACCTTCGAG	4920
143	AATTAAGGTA	AGAATACTAA	CGGGAAAAAA	AAATCAAAAA	ATTACTTCTG	TTTCAGAAAA	4980
144	GACATCCGGT	TTTAACTGCA	AAGTTCATAT	TCGATGATCA	CATTCGGTGT	ATGGCAGCAA	5040
145	AGCAACGGCT	CACCAAGGTA	ACGGAAAAAA	TAACCAAAAA	GACGGAAAGT	TATTGTAAAT	5100
146	GGACGAAATC	GGCGAAATTA	ATTGAAAAAC	TTTGAATTTG	CCGCTAAAAC	CAAACGAAAA	5160
147	CCAAACGAAA	GCGAAATTTA	ACTATCCCTT	CAGGTAGAAT	ATACATTTTA	TTTCTCTTTA	5220
148	TAGGGTCGCC	AAACAGCACG	TGGTCTGAAA	CTTCAGGCGA	TATGTTGAGC	TCTTGGAGTT	5280
149	CCACGTATCG	ATCCAGCGAC	AATGACGTCA	TCACCACGAA	TGAATCCATT	CAGAATTGTG	5340
150	AAAGGATGCG	CACCGGGAAG	TGTACGAAAA	ACTGTTTCCA	CATCATCATC	GTCAAGCCAA	5400
151	GGACGTCCCG	GACATTATTC	TGCAAATCTT	AGATCAGCAT	CTAGAAATGC	AGGAATGATA	5460
152	CCAGATGATC	CAACTCAACC	GAGTAGTTCT	TCGGAAAGAA	GATCCTAGGG	ATCAATATCT	5520

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153	CTTCAGTTTC	ATCATTTTAT	GCTGTAAATT	GTATTTAAGT	ATTCCTATTC	TTTGTAGTAC	5580
154	TGTATTTACA	CATCGTCTAG	TTAAAATCAC	AAATCTCCGA	AAAAACAAAC	CAGTGAACAT	5640
155	GTGATATTTT	TCTTGCCCAT	AGTTCTCTTT	TTTTTTTGAA	ACAAAAACAA	TTACTTTTAT	5700
156	GCTCACCTAT	TCGAGCCATA	TTTTTTTCCC	AATTACCGGT	TGTTTATTTT	AATTTCTTTT	5760
157	TTTTTCTGT	AAATCTACTT	TATTTTAA	ACTGCATTTG	AGATTGTGTA	TATTTTTC	5820
158	AAATGGTTCA	AATGCCGAAT	CTATCTACTT	TTTAATCATT	ATTCAAACAG	AAAAACCGAT	5880
159	TATTTATTCA	GATTCTCAAA	AATGGCTGAA	AAAGCTGAAA	ATCTTCCATC	TTCTTCGGCC	5940
160	GAAGCTTCAG	AAGAGCCATC	ACCTCAAAC	GGACCAAATG	TGAATCAAAA	ACCATCGATT	6000
161	TTGGTCTTGG	GAATGGCTGG	TTCTGGAAAA	ACGACATTTG	TTCAGGTAAC	TTTCATTCAA	6060
162	TTTTGAGAGT	TTTCAAACAT	TACTATTTTC	AGCGTCTCAC	AGCATTCCTA	CATGCTCGTA	6120
163	AAACACCTCC	ATATGTGATT	AATCTGGATC	CGGCAGTTAG	CAAAGTACCT	TATCCAGTGA	6180
164	ATGTTGACAT	TCGAGATACT	GTGAAATACA	AGGAAGTTAT	GAAAGAATTC	GGAATGGGAC	6240
165	CAAATGGAGC	AATTATGACA	TGTCTTAACC	TGATGTGTAC	TCGTTTTGAT	AAAGTAATTG	6300
166	AGTTGATTAA	TAAGAGATCT	TCTGATTTCT	CAGTTTGTCT	TCTTGATACT	CCTGGACAAA	6360
167	TTGAAGCATT	CAGTTGGAGT	GCTAGTGGAT	CTATTATCAC	TGATTCATTG	GCAAGTAGCC	6420
168	ATCCACCGGT	AAGGGATTTT	GATTTATGAA	ATCTGCTTGA	AATGAAAAAA	GATTCTAATA	6480
169	AATTTTTGAC	TTTTAAACAT	TTTTTACAGT	TATATTTGGT	CTATTTTCTA	TCATTTAAAG	6540
170	CAAATGAAA	AGTCGATTCT	ACTCCATATT	TATTAATTTT	GACTTTTCAG	GTGGTAATGT	6600
171	ACATTGTGGA	TTCCGCTCGT	GCCACAAATC	CAACTACATT	CATGTCCAAT	ATGCTCTACG	6660
172	CATGTTCCAT	TCTCTACCGT	ACCAAACCTC	CATTCATTGT	CGTTTTCAAC	AAAGCTGATA	6720
173	TTGTCAAACC	AACATTTGCA	CTCAAATGGA	TGCAAGATTT	CGAAAGATTT	GATGAAGCTT	6780
174	TAGAGGATGC	CAGAAGCAGT	TATATGAATG	ATTTGAGTCG	TTCATTGAGT	CTCGTCTTG	6840
175	ATGAATTCTA	TTGCGGACTG	AAAACAGGTT	TTTATTCGAA	ATAAAACCTT	TTTTAAATAA	6900
176	TAAATTTTCA	TTTGCGTCAG	TTCTGCAACT	GGAGAAGGAT	TCGAAGATGT	AATGACAGCA	6960
177	ATCGATGAAA	GTGTTGAAGC	ATACAAAAAA	GAATATGTTT	CAATGTATGA	AAAAGTGTG	7020
178	GCTGAGAAAA	AACTATTGGA	TGAGGAGGAG	AGAAAGAAAA	GAGATGAAGA	GGTAATTGTA	7080
179	GTAATTTAAT	TCTGATTATC	TTCAAATTTT	CAGACTCTGA	AAGGAAAAGC	TGTTCCAGAC	7140
180	CTGAACAAAG	TCGCCAATCC	CGACGAATTT	CTGGAGTCGG	AGTTGAATTC	AAAAATCGAT	7200
181	AGAATTCATT	TGGGCGGAGT	CGATGAAGAG	AATGAGGAGG	ATGCTGAACT	CGAAAGATCC	7260
182	TGATTTTCTT	TTTGTTTTTG	AATTTTTTAT	CTATTTTGAT	CCCTGTTTAC	TTCTTATTGT	7320
183	TCTCATTTTG	TTGCGTTGTT	TTACATTTTA	CTCATTTTGT	CATAAACTTG	TTGCAAAAAT	7380
184	CAATATAATT	TTTGATCTGG	AAATGGTTTT	AAACCTTAAC	CTTTCATATA	TTAATAATTT	7440
185	TTTTTCAAAA	AAACGTTCTA	AAAAGGTTCC	TCATTTTTTC	AATATAGGAA	ATTTTGAAGA	7500
186	TCTTTTCCAA	AAATGAGGTT	CTTCGCTTGA	AAAGCCAACA	TTTAAAACCT	TTTTTTTCC	7560
187	AGAAACCTAG	TGGTTAATGT	CTGAAAAGAC	GTTCCACAAG	GCACAGACCA	TCCGTGCAAA	7620
188	GGCATCCGGA	GTGCCTTCAA	TCGTCAAGAC	TGTACAGTTT	CATGGAGTTC	GCATCAAAA	7680
189	AAACGATGCT	TTGGTTAAGG	AGGTACTACC	CAAATTTCAA	AATGTTGCAC	AATTCAAATTG	7740
190	AAAATATAAA	TTGTGAATTA	AATTCAACTT	ACATGTTTTT	TCAGGTTTCC	GAATTATACA	7800
191	GAAGTAAAAA	TCTAGATGAA	CTTGTTTATA	ACTCTCATCT	GGCGGCTCGT	CATCTTCAAG	7860
192	AAGTTGGATT	AATGGATAAT	GCAGTTGCTC	TAATTGATAC	ATCTCCAAGC	TCAAATGAAG	7920
193	GATATGTTGT	CAATTTCCCTA	GTTTCGAGAAC	CAAAATCATT	CACTGCTGGA	GTCAAAGCAG	7980
194	GAGTTTCAAC	GAATGGAGAT	GCGGATGTCA	GTTTAAATGC	CGGAAAACAA	AGTGTGGGAG	8040
195	GACGAGGAGA	GGCAATCAAT	ACACAGTATA	CATATACTGT	AAAGGTAAGG	ACGAGAGTTG	8100
196	GCACTGCCAG	TTTGCCATGT	TCTCCCAATA	TTTTTTAATT	ATAAAATTTG	GAAGTATAAA	8160
197	AAAATGTTTG	CTTCATCTAA	AAATAGCCTT	TTTCACATGA	AAAAAATGA	AAAAAAGTGC	8220
198	TCAAAAATTT	CAGAAATTTT	CAATTTCCAA	ACAATTTTGG	AGAACTTTCA	AAAAATTTTC	8280
199	CAACTGAAAT	TAAAGCTATA	TTCTATCACT	AAATTTTATA	CAAGTCTTAA	GAGAAAAATGA	8340
200	TGAAGTGGCT	CATTTTGTAG	AATTTTCTAA	AAAATAATAT	CTTCAGGGCG	ATCACTGCTT	8400
201	CAACATTTCC	GCAATCAAAC	CATTCCTGGG	ATGGCAAAAA	TATTCGAATG	TATCAGCGAC	8460
202	TCTATACCGT	TCACTTGCAC	ATATGCCATG	GAATCAATCA	GATGTTGATG	AGAATGCAGC	8520
203	TGTTCTTGCA	TATAATGGAC	AACATATGGAA	TCAAAAGCTT	TTGCATCAAG	TCAAATTGAA	8580
204	TGCGGTAAAG	TATTATAAGT	GTTTTGTCCA	AACATATGATA	CAGTTCTTCA	GATATGGAGA	8640
205	ACACTTCGTG	CCACTCGAGA	TGCCGCATTT	TCAGTTCGTG	AACAAGCCGG	ACACACTTTG	8700

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206	AAATTCTCGT	TGGAGAATGC	TGTAGCTGTT	GATACAAGAG	ATAGACCTAT	TCTTGCAAGT	8760
207	CGTGGAATTC	TTGGTAAGAG	TAACAACGAC	TATTTTTTAAA	AAATATCTTT	TTCGAAAAAA	8820
208	TTACGAACGA	AAAAAACTG	TATTATGTAC	CCAAACGCGA	AATTTTGCAG	TTCTTGCGCG	8880
209	TTCTTGTTGA	TAAAAAATAT	GTAAAAAATT	GGAAAACTA	CGAAAAGTCG	ATAAAAAATTC	8940
210	CGTACCAACC	GGAAAATGTT	TCATTAATTT	CTCTTCCTTT	TTTCAGCTCG	TTTTGCTCAA	9000
211	GAGTACGCAG	GAGTATTTGG	TGATGCGTCA	TTTGTGAAGA	ATACATTAGA	TTTACAGGTA	9060
212	ACAACCTTAT	TTCAACAATT	ATTTCAAATT	CTATTAAAAA	TAATTCAGG	CAGCTGCCCC	9120
213	TCTTCCACTC	GGTTTCATTC	TTGCCGCCTC	ATTCCAAGCG	AAACATTTGA	AAGGACTCGG	9180
214	AGATCGAGAA	GTTTCATATTT	TGGATAGATG	TTATTTGGGT	GGACAACAGG	ATGTTGAGG	9240
215	ATTTGGTCTG	AATACTATTG	GAGTGAGTTT	TAACGAAATT	CTCTTGAAAG	TCAAATAATC	9300
216	ATTTTCAGGT	TAAAGCAGAT	AACAGTTGTC	TTGGAGGAGG	TGCTTCACTT	GCTGGTGTCTG	9360
217	TTCATTTGTA	TCGGCCATTG	ATTCCACCAA	ATATGCTATT	TGCACACGCA	TTCTTTCAT	9420
218	CTGGAAGTGT	TGCATCAGTT	CATTCCAAAA	ATTTGGTGCA	ACAATTACAG	GATACTCAAC	9480
219	GAGTATCAGC	CGGATTTGGT	GAGTTTGAAA	TTTAGGAAAC	ATTTGGATGA	AATGTATTTT	9540
220	TTAAAAATAG	ATCAGCTTTA	TTTATTTGAA	AAAAAACGCT	CATTAATCAA	TAGTGATAGT	9600
221	TCCATTCTGA	GTTTCTTCTT	CTTCCTCGCG	GAATACAATT	TTTGACTTGT	TCGCATCCTT	9660
222	CTTGTGTACT	TTGTCACCAA	TCTTCTCATC	AACATAATCT	CGAAACTGAA	AAAATTTCAA	9720
223	AATTATTCCA	AAAAATATTG	ATGCAGACTA	CCTTTTGTAT	GGCTTCTGGT	ACGTTTCTAG	9780
224	CGTCGAATGG	ATTGGCTCCT	CCAATAATTA	AAGTCTCGTT	CGGTAGTTTA	GCCAGACGGA	9840
225	CGGTGTGCTT	CAACATTTTT	CTAATTAATC	TATTTCAATT	CAAGTCACTC	ACTCTCTCTT	9900
226	GACGTCTTCT	TCTATATTCC	AAGAACTCTG	CAGAAAATCC	GTGTCCGCCT	TGTGTGTTTC	9960
227	TAGTTGGCGT	CGGAGGATTC	ACGGGTCCAA	GACGAATGGA	TGTCTAAAAA	ATGTTATATT	10020
228	TTTGCATAAA	GAAAACACCA	TACCTTCACC	ACTTTTTGAG	TTGTGGGCGT	TCTGAATGGA	10080
229	ATTGATCGAT	TATTATTGCT	CTTTCTTGAT	TTGCTTCTAT	CAGCTGCGTA	ATGAGGTGTT	10140
230	CTAAAGATCA	GCTTTAATTC	ATTTGGACAA	GTGCTCCTCT	AATAAACTTA	CCCTGTACTC	10200
231	ATTTTTGAAA	CGATTTACGA	TGATAAGATT	GAAAGTGGA	GTTAAATTTA	GTCTTTCAAA	10260
232	GTTGAAATAA	ACTCTTCATA	AATAAATAAA	TTTAAATGAA	AGATTAAATA	AATTAACGTT	10320
233	CACGTAGTTA	AAAAAATAAT	TTAAATCTTA	ACTTCTAATA	AAAAATCTCA	ATTTTCCAGG	10380
234	ACTCGCATTC	GTGTTCAAAA	GTATTTTCCG	GCTGGAACCTC	AACCTACACGT	ATCCATTGAA	10440
235	ATATGTGCTC	GGCGATTGAT	TGCTCGGTGG	ATCCCATATT	GGAGCTGGTG	TCAACTTCTT	10500
236	GTAGAGATTA	ATTGGATGCA	AGCACCCCTC	AAAAAGATTT	TTTTGAAAAA	CGATAAATTC	10560
237	ACAGAATTTT	AGTTCTTTTT	CTCCCCCTTT	TATTGTTATT	TTCATCGTAA	TGCTGTGCTA	10620
238	GAAGTCAGAG	TAAATATGAG	TTTTTTTGTG	TTCTAGGAAT	TCCATTTTTT	CAGGAAGCAA	10680
239	ATTTAATAAA	AATTATCGAA	TTTCTTGCTC	TAAAGATGTT	GTACATTTTA	TGGAAATGTT	10740
240	CGTATAGTAA	TTCGAACACT	TTATATTTCT	CGTTTTTAAA	CTGTCGGTGT	TTTATAGTAA	10800
241	ACTATCTTCA	GAAAAAATG	AGCCTACGAA	AAATCAATTT	CGTAACTGGA	AACGTGAAGA	10860
242	AGCTTGAAGA	AGTCAAGGCT	ATTTTGAAGA	ATTTGAGGTT	AAAATATATT	TGATATTATT	10920
243	CGAACGCGAA	ATTTTGCGCC	AAAAGTACGA	TGCCTGGTCT	CAACACGACA	ATATTTTGTT	10980
244	AAATACAAAC	GAATGTGCGC	CTTCAAAGAA	AAGTTTCAAT	CTTTCGTTGC	CGTGGAGATA	11040
245	TTTTTAGAGT	TTTTGTTTAA	ATTATATATT	TGTCGTATCG	AAACCGGGTA	CCGTAATCAA	11100
246	TCAATTAAAT	ATTTTCAGGT	TTCAAACGTG	GATGTCGATT	TGGATGAATT	CCAAGGAGAA	11160
247	CCCGAATTTA	TTGCCGAAAG	AAAGTGCCGT	GAGGCTGTTG	AAGCTGTAAA	AGGGCCCGTT	11220
248	TTGGTATGGA	AAATTGTATT	TGTTCTAAAA	ATTGTCAAAT	TTCAGGTCGA	AGACACAAGT	11280
249	TTATGCTTCA	ACGCAATGGG	CGGTCTTCCT	GGACCTTATA	TCAAGTGGTT	TTTGAAGAAT	11340
250	TTGAAACCAG	AAGGACTACA	TAATATGCTA	GGTAAATATT	TTAATTTTTT	GAAAAAATCT	11400

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